

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 29 January 2004 (29.01.2004)

(10) International Publication Number WO 2004/010668 A1

(51) International Patent Classification7: 12/56

H04L 29/06,

(21) International Application Number:

PCT/IB2002/002842

(22) International Filing Date:

19 July 2002 (19.07.2002)

(25) Filing Language:

English

(26) Publication Language:

English

- (71) Applicant (for all designated States except US): NOKIA CORPORATION [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): RAJAHALME, Jarno [FI/FI]; Oravatie 11, FIN-02400 Kirkkonummi (FI).
- (74) Agents: BÖCKELEN, Rainer et al., TBK-Patent, Bavariaring 4-6, 80336 München (DE).

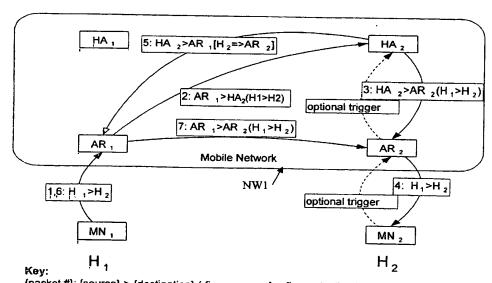
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG. SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ROUTE OPTIMIZING IN MOBILE IP PROVIDING LOCATION PRIVACY



{packet #}: {source} > {destination} ({inner source} > {inner destination}) [Binding in payload]

(57) Abstract: A routing method for routing data packets from a source terminal to a destination terminal via at least one communication network, said at least one communication network comprising at least one mobility agent entity for each of said terminals, the method comprising the steps of: establishing a route from the source via at least one first mobility agent, at least two consecutively arranged second mobility agents, to said destination, deciding that said route is to be optimized, rerouting said route from one of said at least one first mobility agents directly to one of the at least two consecutively arranged second mobility agents such that at least one intermediate mobility agent in said route is bypassed in the resulting rerouted route.

2004/010668 A1 |||||||||||